

ABSTRACT

A microchemical system is provided, which can improve the working efficiency of the user and can be designed compact in size. The microchemical system is provided with an optical fiber 10 with a gradient index rod lens 102 mounted on an end thereof. The lens-possessing optical fiber 10 is comprised of an optical fiber 101 that transmits exciting light and detecting light in the single mode, and a ferrule 103 for expanding the outer diameter of the optical fiber 101 to the same value as that of the gradient index rod lens 102. The gradient index rod lens 102 and the optical fiber 101 are rigidly joined together by means of a sleeve 104.